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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Name of Applicant: SUN MICROSYSTEMS, INC.  
Address of Applicant: 4150 Network Circle  
Santa Clara, CA 95054

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Assistant Commissioner for Patents  
Washington, D.C. 20231

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**REVOCATION AND SUBSTITUTION  
OF POWER OF ATTORNEY UNDER 37 C.F.R. § 1.36**

Dear Sir:

Pursuant to 37 C.F.R. § 1.36, Sun Microsystems, Inc., the assignee of the eleven patent applications listed on the attached APPENDIX A, revokes all previous powers of attorney in the eleven patent applications listed on the attached APPENDIX A, hereby appoints the following attorneys and/or agents assigned to the Customer Number listed below to prosecute the eleven patent applications listed on the attached APPENDIX A, and to transact all business in the U.S. Patent and Trademark Office connected therewith:

Customer Number 32615

Please direct all correspondence and telephone calls concerning the eleven patent applications listed on the attached APPENDIX A to:

Jonathan P. Osha  
**ROSENTHAL & OSHA L.L.P.**  
1221 McKinney Street, Suite 2800  
Houston, Texas 77010  
Telephone No.: (713) 228-8600  
Facsimile No.: (713) 228-8778

Please change the attorney/docket number corresponding to each application as indicated on the transmittal letter as filed with this document.

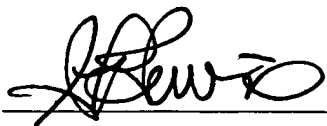
The undersigned representative of the above-identified assignee certifies that the above-identified assignee is the assignee of the entire right, title, and interest in the eleven patent applications listed on the attached APPENDIX A by virtue of a chain of title from the inventors

of the eleven patent applications listed on the attached APPENDIX A to the above-identified assignee.

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the above-identified assignee.

The undersigned hereby declares that all statements made herein of the undersigned's own knowledge are true, that all statements made on information and belief are believed to be true, and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the eleven patent applications listed on the attached APPENDIX A or any patents issuing thereon.

Signature:



Dated:

2/18/03

Name:

Sean P. Lewis

Title:

Assistant General Counsel  
Sun Microsystems, Inc.

## **APPENDIX A**

- 1. Patent Application/Serial No.:** 08/687,886

**Applicant(s):** Philip S. Resnik, et al.

**Title:** Multilingual Agent For Use in Computer Systems

**Filing Date:** July 26, 1996

**Reel/Frame:** 8115/0209
- 2. Patent Application/Serial No.:** 6,028,903

**Applicant(s):** Robert J. Drost, et al.

**Title:** Delay Lock Loop With Transition Recycling for Clock Recovery of NRZ Run-Length Encoded Serial Data Signals

**Issued:** February 22, 2000

**Reel/Frame:** 8779/0692
- 3. Patent Application/Serial No.:** 08/885,817

**Applicant(s):** Amit Gupta, et al.

**Title:** Techniques for Securing Data Flow in Internet Multicasting

**Filing Date:** June 30, 1997

**Reel/Frame:** 8917/0094
- 4. Patent Application/Serial No.:** 08/886,130

**Applicant(s):** Amit Gupta, et al.

**Title:** Efficient Caching of Routing Information for Unicast and Multicast Connecting

**Filing Date:** June 30, 1997

**Reel/Frame:** 8917/0142

5. **Patent Application/Serial No.:** 6,373,304

**Applicant(s):** Robert J. Drost, et al.

**Title:** Techniques For Making and Using An Improved Loop Filter Which Maintains A Constant Zero Frequency To Bandwidth Ratio

**Issued:** April 16, 2002

**Reel/Frame:** 8836/0922

6. **Patent Application/Serial No.:** 08/972,752

**Applicant(s):** Rolando D. Dimaandal, et al.

**Title:** Processing Requests for Service of a Physical Facility

**Filing Date:** November 18, 1997

**Reel/Frame:** 8822/0951

7. **Patent Application/Serial No.:** 09/266,852

**Applicant(s):** Robert J. Drost, et al.

**Title:** Techniques For Making and Using an Improved Loop Filter Which Maintains a Constant Zero Frequency to Bandwidth Ratio

**Filing Date:** March 12, 1999

**Reel/Frame:** 8836/0922

8. **Patent Application/Serial No.:** 08/868,972

**Applicant(s):** Amit Gupta, et al.

**Title:** Techniques For Improving Virtual Channel Management and Maintenance in a Network Environment

**Filing Date:** June 4, 1997

**Reel/Frame:** 8851/0657

**9. Patent Application/Serial No.:** 08/988,205

**Applicant(s):** Amit Gupta, et al.

**Title:** Highly-Distributed Servers for Network Applications

**Filing Date:** December 10, 1997

**Reel/Frame:** 9243/0046

**10. Patent Application/Serial No.:** 08/990,759

**Applicant(s):** Amit Gupta, et al.

**Title:** Improving Network and End-Host Efficiency For Web Communication

**Filing Date:** December 15, 1997

**Reel/Frame:** 9212/0565

**11. Patent Application/Serial No.:** 6,278,714

**Applicant(s):** Amit Gupta

**Title:** Efficient Hardware Implementation of Virtual Circuit Bunching

**Issued:** August 21, 2001

**Reel/Frame:** 9271/0333